

153317

EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
IL0 980614176

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: UNKNOWN

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

The area of the site is in a loamy fine sand that is moderately permeable. An alluvial aquifer is shallow and is the most permeable. Contamination from the site can infiltrate into this aquifer and create problems for the users of the aquifer.

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: N/A

02 ☒ OBSERVED (DATE: 2/26/78)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

On many occasions, leachate has been observed flowing & ponding on site. No documentation exists for water flowing off-site.

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: N/A

02 ☒ OBSERVED (DATE: 10/04/79)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

An inspection on this date observed a small fire in the refuse pile. The operator was pushing sand onto the pile to smother the fire. The operator commented the fire was probably from ACI-containers on fire.

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: 5.17 (Acres)

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Due to the chemicals and residues disposed at the landfill, soil contamination can occur.

01 ☒ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: UNKNOWN

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Drinking water could be contaminated if someone in the area uses the alluvial aquifer for drinking. At this time no one is known to use the aquifer for drinking.

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

## EXECUTIVE SUMMARY

The Sauget Monsanto Illinois Landfill is located 1/4 mile west of Route 3 on Monsanto Avenue. The site is situated between the Illinois Central Gulf R.R. and the Terminal Association R.R. tracks on the north side of Monsanto Avenue. The site is co-owned by Union Electric Company (approximately 17 acres) and Mr. Paul Sauget (approximately 5.5 acres). Mr. Paul Sauget bought the acreage he owns from Illinois Central Gulf R.R. in 1979.

The landfill is an inactive site that was issued an operating permit on January 11, 1973 to dispose of general refuse. The site received a supplemental permit on February 8, 1974 to accept diatomaceous earth (filter cake) from Edwin Cooper, Inc. (now Ethyl Petroleum Additives). No hazardous wastes were permitted to be accepted at the site.

Despite not having a permit for accepting hazardous wastes, many inspections reveal otherwise. A December 27, 1977 inspection revealed 25 metal containers (12-15 gallons each) of phosphorous pentasulfide disposed and worked into the fill. The Monsanto Company was notified to retrieve the containers and soil contaminated from the waste. On January 3, 1978 a Monsanto Company representative informed Mr. Ken Mensing, an IEPA Inspector, that the containers and soil were taken back to the plant for re-packaging prior to disposal. A June 19, 1979 inspection observed a Chem Tech truck repairing a leak. The truck was found leaking on Route 3 and was instructed to pull into the landfill by a State Police officer. In the process of repairs, hydrofluosillicic acid leaked onto the ground and ponded. Other inspections observe the disposing of ACL-85 fiber pack drums, which are prohibited. The acceptance of the drums resulted in a small fire on October 4, 1979. The operator of the site was pushing sand toward the fire to extinguish it, commenting the "filter sleeve with ACL in it is always burning".

The site is now inactive and information regarding appropriate final cover is unavailable. The observed release of contaminants has occurred from leachate ponding at the site. No other releases have been observed, but soil, surface water, and groundwater contamination can occur. A low priority is given with a site inspection to take place on a time availability basis. The inspection should include a final cover check for depth and soil samples with a priority pollutant analysis complete on each sample.

GD:ct/1120g,50



# Illinois Environmental Protection Agency

## MEMORANDUM

DATE: January 6, 1978  
TO: Division File  
FROM: Ken Mensing - Southern Region  
SUBJECT: St. Clair County LPC# 16312102  
Sauget/Monsanto

On January 3, 1978, I went to the Monsanto Chemical Company Plant in Sauget, Illinois for the main purpose of picking up samples of Monsanto ash which Paul Sauget proposes to use for final cover on a portion of the closed Sauget/Sauget site. Four (4) jars of different Monsanto ash samples were picked up along with one (1) jar of a sample of the southern railway slag. These samples were obtained from Frank Basile.

Mr. Basile informed me that the P2S5 that was dumped at the site has been retrieved as best as possible and taken back to the plant for re-packaging prior to disposal at a chemical waste landfill. I then informed him that chemical waste packaging had been disposed of at the fill and that some residues were observed. I showed him the permit which forbids this activity. He ran a copy of the permit. He said they would implement strict material handling procedures to preclude any chemical waste from being taken to the fill. I told him that no chemicals can be landfilled.

KM:jkk/1794-9

cc: Land FOS Manager  
Southern Region